



MEMS "Paddle Resonator"

Scanning electron microscope (SEM) image of a micro electromechanical system (MEMS) "Paddle Resonator" imaged using a laser Doppler vibrometer microscope (LDVM). The "blue" edge is moving toward the observer and the "yellow" edge is moving away in this mode of vibration. The paddle dimensions are $50 \times 147 \mu\text{m}$, wire dimensions are $4.17 \times 51 \mu\text{m}$, and dots are $5 \times 5 \mu\text{m}$. Displacement of the edges is at most 1 nm.